AUG 2 0 2001





e type a plus sign (+) inside this box-

+

Approved for the through 19/3 1/2002 (08-00)

Approved for the through 19/3 1/2002 (09/18) 05/30/31

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number Complete if Known Substitute for form 1449A/PTO 09/443,842-7776 Application Number INFORMATION DISCLOSURE Filing Date November 19, 1999 STATEMENT BY APPLICANT First Named Inventor Mehmet Toner Group Art Unit 1651 (use as many sheets as necessary) V. Afremova Examiner Name Sheet 1 2 Attorney Docket Number 22727-41

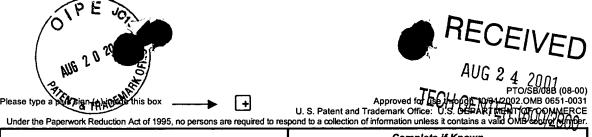
				U.S. PATENT DOCUMENTS]
Examiner Initials*	Cite No.1	U.S. Patent Document Kind Code ² Number (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Clays Figures Appear		
A	Α	5,595,866		Critser, et al.	01/21/97	435	1 2	1
VA-	В	5,648,206		Goodrich, Jr., et al.	07/15/97	435	12	
				7-	1			1

				FO	REI	GN I	PATENT DOCUMENTS	S	•		
Examiner Initials*	Foreign Patent Document Cite Kind Code				Name of Patentee or	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		T⁵		
VA	С	A01N	WO 97/45009	Α	2		versal Preservation thnologies, Inc.	12/04/97			
		1	1				1		0		
						1				H sugges	1
						1			10	<u>~</u>	1 1
						<i>- 1</i>			0	- G 7 -	-
						\neg				(i)	1
						T			All		
						T			F	33	1
						\mathcal{T}			-5	===3	
						1			<i>□</i>		
						I			9		
	İ										П
			<u> </u>					-			П

Examiner Almana	Date	9-21-01
Signature V. JITI WAY WAY	Considered	J 74 01

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.





s	ubstitute for form 1449A/F	то	<u> </u>	Complete if Known		
				Application Number	09/443,842-7776	
l I	NFORMATIC	ON DIS	CLOSURE	Filing Date	November 19, 1999	
ļ	STATEMENT	BY A	PPLICANT	First Named Inventor	Mehmet Toner	
				Group Art Unit	1651	
	(use as many	sheets as n	ecessary)	Examiner Name	V. Afremova	
Shee	2	of	2	Attorney Docket Number	22727-41	

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
VA	D	Amato, I., "Molecular Design Gets Into a Hole", Science, 255:684, (1992).	1
VA	E	Bayley, H., "Building Doors into Cells", Scientific American, 62-67 (Sep. 1997).	T
VA	F	Beattie, et al., "Trehalose: A Cryoprotectant That Enhances Recovery and Preserves Function of Human Pancreatic Islets After Long-Term Storage", Diabetes, 46:519-523 (Mar. 1997).	
VA	G	Franks, et al., "Materials Science and the Production of Shelf-Stable Biologicals", BioPharm 39-42, 55 (1991).	Π
VA	Н	Hildebrand, et al., "Staphylococcus aureaus a-Toxin: Dual Mechanism of Binding to Target Cells", The Journal of Biological Chemistry 266(26): 17195-17200 (1991).	
VA	1	McGann, et al., "Manifestations of Cell Damage After Freezing and Thawing", Cryobiology 25:178-185 (1988).	Γ
V A	J	Russo, M.J., "Controlled Poration fo the Cell Membrane Using a-Toxin with a Metal-Actuated Switch", Master of Science Thesis in Mechanical Engineering at the Massachusetts Institute of Technology (1995).	
VY.	K	Russo, et al. "Reversible Permeabilization of Plasma Membranes with an Engineered Switchable Pore", Nature Biotechnology 15:278-282 (Mar. 1997).	
VA	L	Russo, M., et al., "Controlled Poration of the Cell Membrane Using a-Toxin with a Metal-Activated Switch", Cryo '95; Society for Cryobiology, Jul. 6, 1995.	
VA	М	Shalaev, E., "Changes in the Physical State of Model Mixtures during Freenzing and Drying: Impact on Product Quality", Cryobiology 33:14-26 (1996).	
VA	N	Song, et al., "Structure of Staphylococcal a-Hemolysin, a Heptameric Transmembrane Pore", Science 274:1859-1866 (Dec. 13, 1998).	
VA	0	Spieles, et al., "An Attempt to Recover Viable Human Red Blood Cells After Freeze-Drying", Cryo-Letters 17:43-52 (1996).	
VA	Р	Walker, et al., "An Intermediate in the Assembly of a Pore-Forming Protein Trapped with a Genetically-Engineered Switch", Chemistry & Biology 2(2):99-105 (1995).	
VA	Q	Walker, et al., "A Pore-Forming Protein with a Metal-Actuated Switch", Protein Engineering 7(3):655-662 (1994).	

Examiner Signature V. Afromorus Date Considered 9 - 21 - 0/	,
---	---

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Unique citation designation number. *Applicant is to place a check mark here if English language Translation is attached

Considered

**Unique citation designation number. *Applicant is to place a check mark here if English language Translation is attached

Considered

Total Considered

**Total Consid

1019290.1